

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF FEBRUARY, 1915

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Balboa Heights, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON
1915

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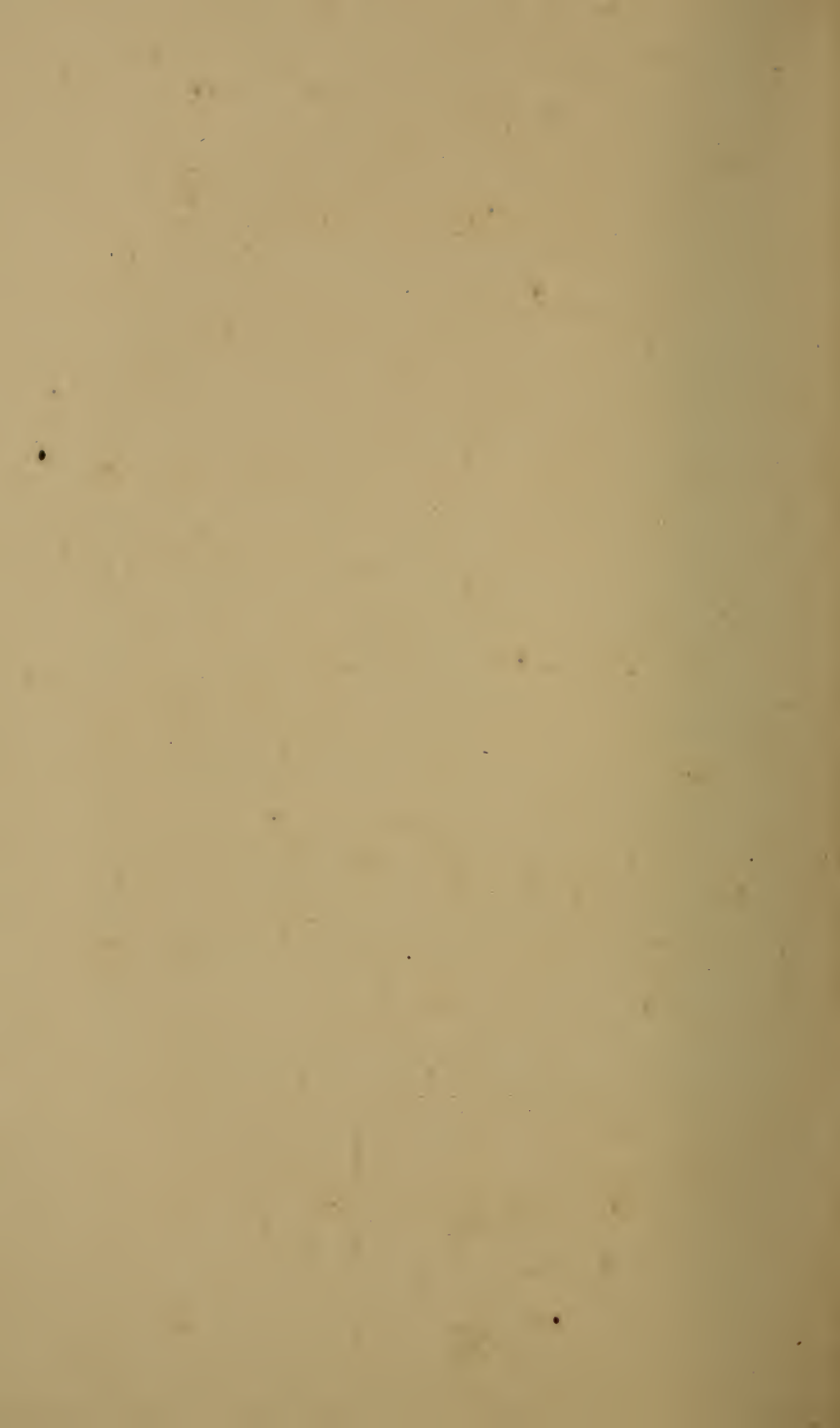
Lieut. Colonel, Medical Corps, United States Army
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LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE,
DEPARTMENT OF HEALTH,
Balboa Heights, March 11, 1915.

Maj. Gen. GEORGE W. GOETHALS,
Governor of the Panama Canal,
Balboa Heights, Canal Zone.

SIR: I have the honor to submit the following report of the operations of the department of health for the month of February, 1915.

Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

One case of smallpox occurred on the steamship *Panama*, which arrived at Cristobal on February 3. The patient was taken sick on the 7th and removed from the ship on the 10th. The disease was contracted prior to his arrival on the Isthmus. No other cases have occurred. With this exception no cases of yellow fever, smallpox, or plague have originated on or were brought to the Isthmus during the month.

Instruction in regard to mosquito-borne diseases has been made a part of the course in the white public schools in the fifth, sixth, seventh, and eighth grades; instruction is based upon a pamphlet on the subject prepared by Maj. Ashburn, general inspector, and issued by the health department, and is exciting a great deal of interest among the school children. The course is made as practical as possible and the actual disease-carrying insects in their various stages are exhibited to the classes.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees remained good during the month. The number of names on the rolls for the preceding month was 34,266.

The total number of admissions to hospitals and quarters was 840, a rate of 294.17 per thousand, as compared with 332.87 for the preceding month and 437.70 for the corresponding month of last year.

The total number of deaths from all causes was 19. Of these 9 died from disease, or 3.15 per thousand, as compared with 4.38 for the preceding month, and 5.34 for the corresponding month of last year.

The constantly noneffective rate was 10.46, compared with 10.11 for the preceding month and 13.74 for the corresponding month of last year.

The total admission rate for malaria, hospitals and quarters, was 47.98 compared with 56.94 for last month, and the total noneffective rate 1.17 compared with 1.15 for last month, each of these rates being lower than for the same month last year. The diseases next to malaria causing the highest admission rates, in the order of their numerical importance, were: Diseases of the digestive system, venereal diseases, diseases of the nervous and respiratory systems. These five classes of diseases caused 48 per cent of all admissions to hospitals.

There were no admissions for typhoid fever during the month among Panama Canal employees. One of the crew of the steamship *Colon*, of the Panama Railroad Steamship Line, was sent to Colon Hospital with this disease and afterwards transferred to Ancon Hospital. The disease was not contracted on the Isthmus. There were no admissions during January. The admission rate for February, 1914, was 0.24.

EFFECTS OF RACE.

The admission rate to hospitals and death rate for disease for black employees were 109.73 and 3.24 per thousand, as compared with 329.22 and 2.59 for white employees. The noneffective rate for disease and injuries for black employees per thousand was 8.58, as compared with 22.55 for white employees.

The admission rate to hospitals and quarters for malaria was 34.01 per thousand for blacks as compared with 137.39 for whites.

The total death rate for Americans was 8.90, while among the Europeans there were no deaths. The admission rate to hospitals for disease for the latter was 819.11, compared with 258.22 for Americans. The admission rate for malaria to hospitals and quarters was 368.60 for Europeans, as compared with 103.88 for Americans.

DEPORTATIONS.

There were 14 deportations accomplished during the month—3 employees and 11 nonemployees; for disease 13 and for injury 1.

CANAL ZONE.

The population of the Canal Zone is 31,948, among whom there were a total of 20 deaths; of these 15 deaths were from disease, giving a rate of 5.63 per thousand, as compared with 13.72 for the preceding month, and 13.86 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 40, compared with 44 last month.

There were 39 births reported, giving a rate of 14.65 per thousand. Of these births 12 were of white and 27 of colored children. There were no deaths of white and 4 deaths of colored children under 1 year of age, giving an infant mortality per thousand of 148 for colored children, with a general average of 103. The percentage of stillbirths to total births was 9.

PANAMA CITY.

The population of the city is 60,373, among whom there were a total of 130 deaths; of these 127 deaths were from disease, giving a rate of 25.24 per thousand, as compared with 33 for the preceding month and 31.80 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 60, compared with 55 last month. The principal causes of death showing an increase as compared with January were: Cancer 5, as compared with 2 last month, and diarrhea and enteritis (under 2 years) 31, as against 25 for the preceding month.

There were 304 births reported, giving a rate of 60.42 per thousand. The infant mortality was 201 per thousand. The percentage of stillbirths to total births was 3.

COLON.

The population of the city is 29,331, among whom there were 48 deaths; of these 43 deaths were from disease, giving a rate of 17.59 per thousand as compared with 21.27 for the preceding month, and 21.35 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 51, compared with 52 of last month.

The principal causes of death showing an increase as compared with January were: Organic disease of heart 3, compared with 1 last month, and chronic nephritis 5, as against 4 for last month.

There were 82 births reported giving a rate of 33.55 per thousand. The infant mortality was 220 per thousand. The percentage of stillbirths to total births was 4.

HOSPITAL DIVISION.

ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 482.64. The per capita cost of patients in hospital proper was \$2.08 gross and \$1.06 net. The per capita cost of patients in the insane asylum was \$0.539.

BOARD OF HEALTH LABORATORY.

The following work in addition to routine was performed by the Board of Health laboratory during the month.

A larger number of dogs than usual has been kept under observation during the past few months; the animals having bitten various

persons were kept at the laboratory for the usual period and watched for signs of rabies. None of the dogs showed any evidences of the disease. Dogs with suspicious symptoms are examined with special reference to rabies, but fortunately there has been no return of the disease since the epizootic of 1908-1909, which was checked by special sanitary measures.

The dairy herd has been tested with tuberculin recently, and in no instance was there a reaction to tuberculosis.

Hog cholera has been detected twice at autopsy during the past month among hogs at the farm. The appearance of this disease in sporadic rather than epizootic form would seem to indicate that the practice of immunization, which has been carried out from time to time on the herd, has been fruitful of good results.

During the epidemic of pneumococcus infections among Negro laborers on the Canal in 1905-1907 many examples of pneumococcus sinusitis were encountered in persons dying of other diseases as well as pneumonia, etc., and it was assumed that the portal of entry of the pneumococcus in many cases was an accessory nasal sinus. A similar observation was made among Kaffirs in the Rand Mines at Johannesburg. Recently it has been observed here that a number of infants living in Panama City and dying in Ancon Hospital, as well as some of those that have been brought to the laboratory for autopsy, have had a latent purulent otitis media, generally caused by the pneumococcus, and the lesion apparently plays an important part in the cause of death, for there may be no other lesion encountered at autopsy. This observation draws attention once more to the peculiar susceptibility of the negro race to the pneumococcus and to the primary infection of the sinuses and middle ears, which fact often escapes the attention of the clinician.

A study has been made of some examples of obliterative syphilitic arteritis occurring in West Indian negro laborers. Syphilitic arteritis—the lesion responsible for the obliterative process—has been more commonly encountered during the past two or three years at autopsy than formerly, and this indicates a widespread luetic infection among this class of employees. The recent order requiring a continuance of specific treatment after the patient has left the hospital should do much toward reducing this type of disease to a minimum.

FARM FOR DISABLED.

The net per capita cost was \$0.423, as compared with \$0.537 for last month.

During the month the pasture and grounds for the asylum were cleaned, and the vegetable garden and nursery were cultivated.

INSANE DEPARTMENT.

There were 18 discharges and 5 deaths during the month which exceeded the total admissions by 7, thus decreasing the number of patients in the asylum from 267 to 260.

On the 25th of the month 12 patients were deported to Jamaica and one to the United States.

The general work done by inmates on the hospital farm, in the sewing room, laundry, etc., continues satisfactory, and it is thought that when the entire insane population is removed to Corozal at least 75 per cent of the patients may be profitably and healthfully employed, as every effort will be made to find suitable tasks for practically all of both sexes.

CHRONIC WARD.

There were 27.64 chronic and incurable patients constantly cared for during the month. The cost per patient per day was \$0.267.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The highest number of patients treated on any one day during the month was 40; the lowest number 24, the daily average being 32.89. The average number of employees constantly sick was 21.28. The average number of days treatment per employee was 6.08.

The per capita cost of patients was \$2.74 gross and \$1.64 net.

Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 50, as against 49 for the preceding month. The per capita cost per patient was \$0.87.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,353 patients were treated, 187 less than for the preceding month. The daily average of patients in hospital was 444, as compared with 467 for January, and the total number of hospital days was 12,449, as compared with 14,508 for the preceding month. Fifty-one deaths have occurred with tuberculosis, pneumonia, and pellagra as the chief causes, in the order named.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Pedro Miguel, with an average weekly percentage of 0.75; that having the lowest was Cristobal with a percentage of 0.01.

With the abandonment of Culebra Dispensary on February 28, the whole of the west side of the canal, from Bas Obispo to Paraiso, has been turned over to the military authorities, except that a small sanitary gang is maintained in the negro villages where employees live, to keep them in healthful condition.

Detailed statistics are shown in Table IX.

SANITATION—CANAL ZONE.

The general health and the malarial rate have both been good during the past month, the average weekly percentage of employees excused for malaria being 0.19, as compared with 0.22 last year, the lowest February rate up to the present time. The rate for the month just past was markedly elevated by malaria among men working at jungle clearing on contract, and sleeping in the open in the jungle. Without the cases furnished by them the rate would have been considerably lower.

There have been no typhoid cases in the zone.

There were few white employees on the west side of the canal during the month, but the negro population at Rio Grande, Cowpens, Golden Green, Comacho, Lirio, Cerro, and West Culebra has diminished little, and a new gang, for work in those places only, has been at work throughout the month.

Extensive work on a swamp between Panama and Corozal, which was partially filled with material from the hydraulic dredging at Balboa, was necessary throughout the month, as very large numbers of *Anopheles albimanus* were found breeding there. The situation now seems to be fairly controlled.

The conditions found in the annual physical examination of school children referred to in my report for the month of November have been followed up with fairly satisfactory results. Forty-seven per cent of the children found defective have applied for relief, and 74 per cent of those applying have been definitely relieved. Still better results are expected next year.

The following communicable diseases were reported during the month:

Measles.....	9
Scarlet fever.....	1
Mumps.....	27
Chicken pox.....	1
Malarial fever.....	209
Tuberculosis.....	7
Whooping cough.....	15
Dysentery.....	3

Detailed statistics are shown in Table XVII.

SANITATION—PANAMA.

COMMUNICABLE DISEASES.

Typhoid fever.—Four cases were reported, all of which were treated in Ancon Hospital. The cases originated in the same block, and could only be accounted for by the presence of large numbers of flies and an open sewer, which was only a short distance from the buildings.

Mumps.—Fourteen cases of this disease were reported, though this is by no means an accurate return.

Measles.—The prevalence of measles is marked, there having been reported to this office 19 cases, many of which were of a severe type.

VACCINATIONS.

Only 1,424 vaccinations were performed during the month, bringing the total now to 16,151. The newly made board of health vaccine has been used and is proving very effective.

MOSQUITO, RAT, AND FLY WORK.

Mosquitoes.—Extensive breeding of anopheles mosquitoes was found occurring in the Curundu River, at points north of the old Corozal road. This was controlled by cleaning and training the edges of the stream, and placing large oil drips.

The number of stegomyia breeding places discovered in the city amounted to 78, which is slightly lower than that of last month. Two hundred and twenty-seven deposits of mosquito larvæ were found in the sanitary districts.

Flies.—It was not found necessary to make use of the large flytraps during the past month and the number of fly larvæ deposits found and treated with larvacide only amounted to 264, which is quite low compared with previous months.

Rats.—Seven hundred and eighty-seven rats were taken in various parts of the city for examination for plague, with negative results. In performing repairs to a small feed room connected with one of the city stables, when the wooden floor was removed 54 rats were discovered and destroyed.

PURE-FOOD INSPECTIONS.

It was found necessary to impose fines on several owners of bakeries and cook shops in which insanitary conditions prevailed after due warning.

The sale of water taken from various springs and wells and transported throughout the city in carts was abolished during the month. There were seven such water carts plying this trade, all of which had their licenses revoked, thus eliminating a source of danger to the public.

GARBAGE COLLECTION.

The public market was supplied with new garbage cans and stands with self-closing covers.

The conditions at the public dump are generally satisfactory, largely due to the lessened amount of rainfall, which permits of better cremation of material collected.

Manure is being sent from the city to Corozal Farm to the amount of two carloads per week, for use as fertilizer, the greater part of this being derived from the Ancon Corral, and supplemented by some of the city stables. This lessens the work at the public crematory very considerably.

STREET CLEANING.

It was found necessary to put into service an additional street sprinkler, which gives us three at present. The cost for the work of street cleaning and collection of garbage was lower during the past month than for any time since April last.

Sixty permits for repairs to old buildings were issued during the month, which does not include a large amount of work performed in the city in the repair of sidewalks by property owners.

Detailed statistics are shown in Table XVII.

SANITATION—COLON.

Special measures have been instituted by the health officer for the control of the diseases of childhood which are now prevalent in the city and the cooperation of the press has been enlisted in this connection. The apparent number of cases as compared to those of the preceding month is believed to be explained by the laxity on the part of local physicians in reporting these cases last month.

There were 3,214 persons examined, of whom 128 received vaccination.

The following communicable diseases were reported during the month:

Measles.....	16
Mumps.....	23
Chicken pox.....	4
Tuberculosis.....	3
Malaria.....	3
Cancer.....	1
Trachoma.....	1

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

There were 1,561 more departures than arrivals from foreign ports. The immigration from coast towns shows an increase of 1,231 for the month. During the month 468 United States troops arrived for Canal Zone garrisons.

Detailed statistics are shown in Table XVIII.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Deaths.			Noneffective from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly non-effective.
Feb., 1915.									
White.....	4,629	162	127	35	3	1	2	2,923	104.38
Colored.....	29,637	361	271	90	16	8	8	7,114	254.07
Total....	34,266	523	398	125	19	9	10	10,037	358.45
Jan., 1915.									
White.....	4,903	183	155	28	2	2	.....	3,057	98.62
Colored.....	30,715	423	327	96	15	11	4	8,107	261.50
Total....	35,618	606	482	124	17	13	4	11,164	360.12
Feb., 1914.									
White.....	7,592	420	350	70	2	.....	2	6,478	231.35
Colored.....	41,867	690	476	214	28	22	6	12,553	448.33
Total....	49,459	1,110	826	284	30	22	8	19,031	679.68

PROPORTIONATE NUMBERS.¹

<i>Feb., 1915.</i>									
White.....	4,629	419.95	329.22	90.73	7.78	2.59	5.19	.....	22.55
Colored.....	29,637	146.17	109.73	36.44	6.48	3.24	3.24	.....	8.58
Total....	34,266	183.15	139.38	43.77	6.65	3.15	3.50	.....	10.46
<i>Jan., 1915.</i>									
White.....	4,903	447.89	379.36	68.53	4.89	4.89	.....	.....	20.11
Colored.....	30,715	165.25	127.75	37.50	5.86	4.30	1.56	.....	8.51
Total....	35,618	204.17	162.39	41.78	5.73	4.38	1.35	.....	10.11
<i>Feb., 1914.</i>									
White.....	7,592	663.86	553.21	110.65	3.16	.....	3.16	.....	30.47
Colored.....	41,867	197.77	136.43	61.34	8.03	6.31	1.72	.....	10.71
Total....	49,459	269.32	200.40	68.92	7.28	5.34	1.94	.....	13.74

¹ Annual average per 1,000.

TABLE I.—ADMISSIGNS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

DEATHS OF RESIDENTS OF THE CITIES OF PANAMA, COLON, AND THE CANAL ZONE.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	Ex- ternal causes.	Total.	Dis- ease.	Ex- ternal causes.
<i>Feb., 1915.</i>							
Panama.....	60,373	130	127	3	25.83	25.24	0.59
Colon.....	29,331	48	43	5	19.64	17.59	2.05
Canal Zone.....	31,948	20	15	5	7.51	5.63	1.88
Total.....	121,652	198	185	13	19.53	18.25	1.28
<i>Jan., 1915.</i>							
Panama.....	60,373	169	166	3	33.59	33.00	.59
Colon.....	29,331	56	52	4	22.91	21.27	1.64
Canal Zone.....	31,480	39	36	3	14.87	13.72	1.15
Total.....	121,184	264	254	10	26.14	25.15	.99
<i>Feb., 1914.</i>							
Panama.....	47,172	132	125	7	33.58	31.80	1.78
Colon.....	20,232	37	36	1	21.94	21.35	.59
Canal Zone.....	56,285	75	65	10	15.99	13.86	2.13
Total.....	123,689	244	226	18	23.67	21.93	1.74

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Totals.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	5	7	12	35	36	71	.....	.....	.....	40	43	83
1 to 4 years.....	3	.....	3	8	10	18	.....	.....	.....	11	10	21
5 to 10 years.....	.....	.....	.....	1	.....	1	.....	.....	.....	1	.....	1
11 to 20 years.....	.....	.....	.....	2	5	7	.....	.....	.....	2	5	7
21 to 30 years.....	5	1	6	14	8	22	.....	.....	.....	19	9	28
31 to 40 years.....	2	.....	2	10	5	15	.....	.....	.....	12	5	17
41 to 50 years.....	3	1	4	8	2	10	.....	.....	.....	11	3	14
51 to 60 years.....	2	.....	2	4	3	7	.....	.....	.....	6	3	9
61 to 70 years.....	1	.....	1	2	3	5	.....	.....	.....	3	3	6
71 to 80 years.....	.....	1	1	1	1	2	.....	.....	.....	1	2	3
81 to 90 years.....	2	1	3	1	1	2	.....	.....	.....	3	2	5
Not stated.....	1	.....	1	2	1	3	.....	.....	.....	3	1	4
Total.....	24	11	35	88	75	163	.....	.....	.....	112	86	198

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Nonem- ployees.	Total.
Barbados.....	5	17	22
East Indies.....	2	.....	2
England.....	.....	1	1
Colombia.....	.....	3	3
Costa Rica.....	.....	1	1
Cuba.....	.....	1	1
Danish West Indies.....	1	1	2
France.....	.....	1	1
Greece.....	.....	1	1
Grenada.....	1	4	5
Italy.....	.....	2	2
Jamaica.....	4	27	31
Martinique.....	1	4	5
Panama.....	.....	99	99
Spain.....	.....	1	1
St. Lucia.....	1	5	6
St. Thomas.....	.....	3	3
St. Vincent.....	1	.....	1
Trinidad.....	.....	2	2
United States.....	3	3	6
Venezuela.....	.....	2	2
Unknown.....	.....	1	1
Total.....	19	179	198

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS
CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4,043):		
Disease.....	1	2.96
External causes.....	2	5.94
All causes.....	3	8.90
White women and children from the United States (3,490):		
Disease.....	.....	.....
External causes.....	.....	.....
All causes.....	.....	.....
White employees and their families from the United States (7,533):		
Disease.....	1	1.59
External causes.....	2	3.19
All causes.....	3	4.78
Total number of Americans on the Canal Zone (11,589):		
Disease.....	2	2.07
External causes.....	3	3.11
All causes.....	5	5.18

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
Disease:			
Acute alcoholism.....	1	.....	1
Aneurysm.....	.....	1	1
Cancer of organs not specified.....	.....	1	1
Organic disease of heart.....	.....	1	1
Septicæmia.....	.....	1	1
Tuberculosis, disseminated.....	.....	2	2
Tuberculous meningitis.....	.....	1	1
Tuberculosis of the lungs.....	.....	1	1
External causes:			
Accidental drowning.....	1	3	4
Homicide by cutting instruments.....	.....	1	1
Railroad traumatism.....	1	2	3
Suicide by hanging.....	.....	1	1
Traumatism by machines.....	.....	1	1
Total.....	3	16	19

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Hemoglobinuric fever, malarial.....	1	.....	.....	1
Dysentery.....	2	.....	.....	2
Purulent infection and septicemia.....	1	.....	.....	1
Pyæmia.....	1	.....	.....	1
Septicæmia.....	.....	1	.....	1
Pyæmia and septicæmia, pneumococcc.....	1	.....	.....	1
Pellagra.....	2	.....	.....	2
Tuberculosis of the lungs.....	10	5	2	18
Tuberculosis meningitis.....	1	.....	1	2
Abdominal tuberculosis.....	.....	1	.....	1
Tuberculosis of other organs.....	1	.....	.....	1
Disseminated tuberculosis.....	1	.....	1	2
Syphilis, tertiary.....	.....	1	.....	1
Cancer and other malignant tumors of the buccal cavity.....	1	.....	.....	1
Cancer and other malignant tumors of the female genital organs.....	2	.....	.....	2
Cancer and other malignant tumors of other organs and of organs not specified.....	2	.....	.....	2
Diabetes.....	.....	1	.....	1
Anæmia secondary, cause not determined.....	1	.....	.....	1
Alcoholism, acute.....	1	.....	1	2
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Simple meningitis.....	1	1	.....	2
Pneumococcus meningitis.....	1	.....	.....	1
Other diseases of the spinal cord.....	1	.....	.....	1
Cerebral hemorrhage, apoplexy.....	1	1	.....	2
Epilepsy.....	.....	.....	1	1
Convulsions of infants (under 5 years of age).....	2	.....	.....	2

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>Diseases of the circulatory system.</i>				
Acute endocarditis.....	2	.....	1	3
Malignant endocarditis.....	1	.....	.....	1
Organic diseases of the heart.....	4	3	2	9
Aneurysm.....	1	.....	.....	1
Arterio-sclerosis.....	1	.....	.....	1
Hemorrhage; other diseases of the circulatory system.....	1	1	.....	2
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	2	5	.....	7
Broncho-pneumonia.....	8	1	1	10
Pneumonia (unqualified).....	4	.....	.....	4
Lobar pneumonia.....	1	.....	.....	1
Pleurisy.....	1	1	.....	2
Gangrene of the lungs.....	1	.....	.....	1
Other diseases of the respiratory system (tuberculosis excepted).....	.....	1	.....	1
<i>Diseases of the digestive system.</i>				
Acute gastritis.....	.....	2	.....	2
Chronic gastritis.....	.....	1	.....	1
Diarrhea and enteritis (under 2 years).....	31	2	1	34
Colitis.....	4	.....	.....	4
Hernia, intestinal obstructions.....	.....	1	.....	1
Cirrhosis of the liver.....	1	.....	.....	1
Abscess of liver (unqualified).....	1	.....	.....	1
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>				
Acute nephritis.....	1	.....	.....	1
Bright's disease (chronic nephritis).....	2	5	.....	7
Other diseases of the kidney and annexa.....	1	.....	.....	1
<i>The puerperal state.</i>				
Accidents of pregnancy.....	.....	.....	1	1
<i>Diseases of the skin and of the cellular tissue.</i>				
Gangrene.....	1	.....	.....	1
<i>Malformations.</i>				
Congenital malformations (stillbirth not included).....	1	.....	.....	1
<i>Diseases of early infancy.</i>				
Newborn child.....	.....	.....	1	1
Congenital debility, icterus, and sclerema.....	1	.....	.....	1
Premature birth.....	.....	4	.....	4
Congenital debility.....	1	.....	.....	1
Malnutrition.....	10	2	2	14
Other causes peculiar to early infancy (including various consequences of labor).....	1	.....	.....	1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>Old age.</i>				
Senility.....	3	1	.....	4
<i>Affections produced by external causes.</i>				
Suicide by hanging or strangulation.....		1	1	2
Accidental drowning.....		2	2	4
Traumatism by fall.....		1	.....	1
Traumatism by machines.....	1	.....	.....	1
Railroad traumatism.....	1	1	1	3
Homicide by cutting or piercing instruments.....			1	1
Fractures (cause not specified).....	1	.....	.....	1
<i>Ill-defined diseases.</i>				
Cause of death not specified or ill defined.....	5	2	.....	7
Infections of undetermined origin.....	1	.....	.....	1
Total.....	130	48	20	198
Stillbirths.....	11	3	4	18
Grand total.....	141	51	24	216

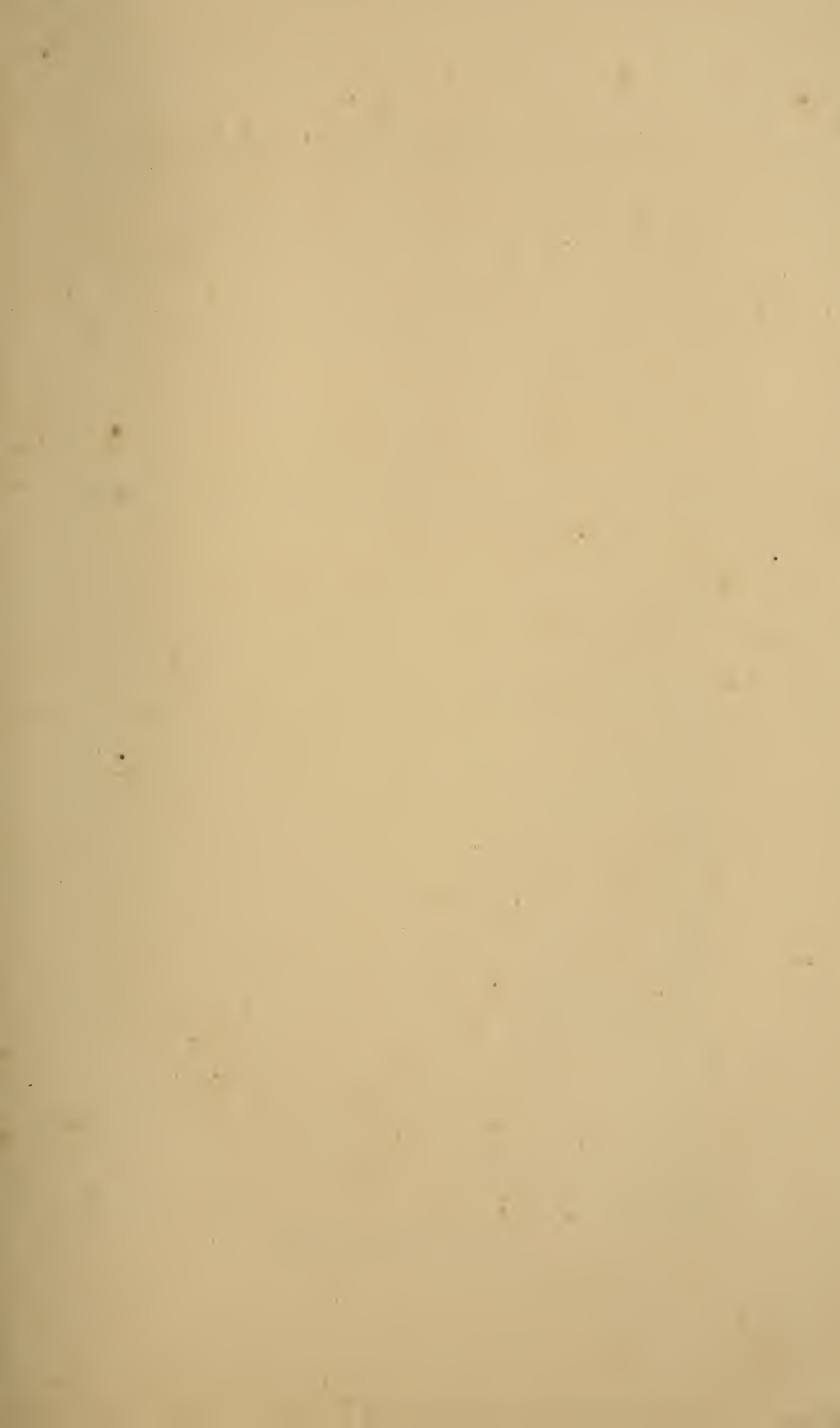


TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
FEBRUARY

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases.</i>												
Typhoid fever.....								2	3			
Malarial fever:												
Estivoautumnal.....	6	6	37				5	1	9			
Tertian.....	4	3	7				11	1	1			
Quartan.....												
Clinical.....	7	7	26				6	5	4			
Cachexia.....		1										
Hemoglobinuric fever, malarial.....								1			1	
Smallpox, vaccinia.....								1				
Measles.....			2					4	3			
Scarlet fever.....			1									
Whooping cough.....								1				
Influenza.....	1		2					1	1			
Dysentery, entamoebic.....								1				
Dysentery, unclassified.....			1					1				
Leprosy.....			1									
Erysipelas.....	1		1									
Chicken pox.....			2						1			
Mumps.....	2		40				9	1	4			
Filariasis.....			1									
Purulent infection and septichæmia.....									1			1
Pyæmia and septichæmia, pneumococcic.....									1			1
Pellagra.....			1						2			
Tuberculosis of the lungs.....			2		1			2				
Tuberculous meningitis.....			1		1			1				
Abdominal tuberculosis.....									1			
Tuberculosis of bones and joints.....									1			
Disseminated tuberculosis.....					2				1			
Syphilis:												
Secondary.....			4				4	2	2			
Tertiary.....			4									
Period not stated.....		1					1	1	1			
Gonococcus infection.....			1									
Gonorrhea.....		3	6				7					
Gonorrheal bubo.....			1									
Gonorrheal orchitis and epididymitis.....	1						2					
Gonorrheal ophthalmia.....			2						1			
Soft chancre.....			2				5		1			

Transferred to Ancon Hospital.

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
FEBRUARY

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases—Continued.</i>												
Adenitis chancroidal.....	1		1				7	1	2			
Cancer and other malignant tumors of the stomach and liver.....								1				
Cancer and other malignant tumors of the female genital organs.....												1
Cancer and other malignant tumors of other organs and of organs not specified.....			1			1					1	
Other tumors (tumors of the female genital organs excepted).....							1					
Acute articular rheumatism.....	1		1				2	1				
Chronic rheumatism and gout.....			1				1					
Diabetes.....								1				
Anaemia secondary, cause not determined.....									1			1
Other general diseases.....												
Alcoholism:												
Acute.....	1						4					
Chronic.....												
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Paralysis without specified cause.....							1	3	6			
Other forms of mental alienation.....									3			
Dementia precox.....									1			
Epilepsy.....												
Neuritis.....	2		1				1					
Other diseases of the nervous system.....			1				1					
Neurasthenia.....							1	1				
Diseases of the eyes and their annexa.....	7		10				2	2	2			
Trachoma.....								1				
Diseases of the ears.....	2		4					1				
<i>Diseases of the circulatory system.</i>												
Acute endocarditis.....							1			1		
Organic diseases of the heart.....			2			1			4		1	4
Angina pectoris.....												
Aneurysm.....						1						

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF
1915—Continued.

Colon hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.		Black.	W.		Black.	W.		Black.	W.		Black.	W.		Black.	W.		Black.	W.		Black.	W.		Black.
Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.		Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
...	...	1	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	7	1	2	...	...	...
...	1	...	...	...	...	...
...	1
...	1	...	1	...	...	...	...	...	1	...	...
...	1	...	1	...	...	...	1	2	1	...	...	...
...	1	...	...	...	...	1	...	...	...	...	...
...	...	1	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1
1	2	...	...	...	...	...	4	...	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...
...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	3	6	...	...	...
...	3	...	...	...	...
...	2	...	1	...	...	...	1	...	1	...	...	...
...	1	...	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...
...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...
...	7	...	10	...	...	...	2	2	2	...	...	...
...	2	...	4	...	...	...	1	1	...	...	...	...
...	1	...	...	1	...	...
...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	1	...	4
...	1	...	...	...	...	...	3	...	...	...	1	...	1	...	...	...	...
...	1	...	...	...	...	...	...

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
FEBRUARY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the circulatory system—Continued.</i>												
Arterio-sclerosis.....												1
Embolism and thrombosis.....												
Diseases of the veins (varices, hæmorrhoids, phlebitis, etc.)...			1									
Hæmorrhoids.....									1			
Varicocele.....							1					
Phlebitis.....			1									
Diseases of the lymphatic system (lymphangitis, etc.).....								1				
Lymphadenitis (nonvenereal).....			4				1					
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossæ.....	5						2	1	1			
Diseases of the larynx.....								1				
Laryngitis.....								1				
Diseases of the thyroid body.....								1				
Acute bronchitis.....	1		2				2	4	1			
Chronic bronchitis.....			4									
Broncho-pneumonia.....			1								1	
Lobar pneumonia.....								1	1			
Pleurisy.....			1									
Empyema.....		1										
Gangrene of the lungs.....												1
Asthma.....		1						1				
Hay fever.....	1											
<i>Diseases of the digestive system.</i>												
Diseases of the mouth and annexa.....									1			
Diseases of the teeth and gums.....												
Stomatitis.....							1					
Diseases of the pharynx.....	2						1	3				
Follicular tonsillitis.....	3	1	3				7	3	1			
Foreign body in the œsophagus.....			1									
Ulcer of the stomach.....								1				
Other diseases of the stomach (cancer excepted).....								1				
Chronic gastritis.....												
Acute indigestion.....								1				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
FEBRUARY

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the digestive system—Continued.</i>												
Diarrhea and enteritis (under 2 years).....							1	2	4			3
Colitis.....									1			
Diarrhea and enteritis (2 years and over).....			1									
Colitis.....	1											
Ankylostomiasis.....			2									
Ascariasis.....			2									
Acute appendicitis.....	4		2					3				
Chronic appendicitis.....							3	2				
Inguinal hernia.....	3	1	4				2	2	1			
Other diseases of the intestines.....	2	2	1				4					
Constipation.....	3		2				1		1			
Duodenal ulcer.....	1											
Biliary calculi.....								1				
Other diseases of the liver.....	1						1	1				
Cholecystitis.....								1				
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>												
Acute nephritis.....			1						1			
Bright's disease (chronic nephritis).....	1		1						4			1
Other diseases of the kidney and annexa.....	1							1				
Pyelonephrosis.....			2					1	2			
Calculi of the urinary passages.....	1							1				
Diseases of the bladder.....			3									
Cystitis.....			2					2				
Diseases of the urethra, urinary abscess, etc.....	1											
Stricture of the urethra, non-venereal.....	1		2									
Hypertrophy of prostate.....	1											
Nonvenereal diseases of the male genital organs.....	1		5					2				
Hydrocele.....			1									
Uterine tumor (noncancerous).....								2				
Other diseases of the uterus.....	1							5				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
FEBRUARY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.		Black.	W.		Black.	W.		Black.	W.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Nonvenereal diseases of the genito-urinary system and annexa—Con.</i>												
Cysts and other tumors of the ovary.....								2				
Salpingitis and other diseases of the female genital organs.....								2	3			
<i>The puerperal state.</i>												
Normal labor.....								8	2			
Accidents of pregnancy.....									1			1
Hyperemesis gravidarum.....									1			
Abortion.....			1					5				
Puerperal albuminuria and convulsions.....								1				
<i>Diseases of the skin and of the cellular tissue.</i>												
Gangrene.....												
Furuncle.....			1									
Carbuncle.....								1				
Acute abscess.....			4									
Phlegmon and cellulitis.....		1										
Dhobie itch.....							3					
Ulcer of the skin.....			1									
Impetigo contagiosa.....			1					3				
Ingrowing nail.....		1										
Other diseases of the skin and annexa.....			1				2					
<i>Diseases of the bones and of the organs of locomotion.</i>												
Diseases of the bones (tuberculosis excepted).....	1											
Caries (nontuberculous).....			1									
Mastoid abscess.....			1									
Periostitis.....			1									
Diseases of the joints (tuberculosis and rheumatism excepted).....									1			
Arthritis.....	1		1									
Amputations.....												
Other diseases of the organs of locomotion.....	1	1	1				2					

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF
1915—Continued.

Colon hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
																		2					
																		2	3				
							5	3										13	5				
																		1	1				1
							1						1					6	1				
																		1					
		1												1									
							1						1					1					
	1	1										1	5					1					
												1						3					
												1											
												1						3					
	1											1	1					2					
		1										1	1										
													1										
													1										
													1										
	1	1										1	1							1			
		2					1					1	1	3				2	1				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
FEBRUARY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.		Black.	W.		Black.	W.		Black.	W.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Diseases of early infancy.</i>												
Newborn child.....								12		1		
Premature birth.....												
Malnutrition.....										1		
<i>Affections produced by external causes.</i>												
Poisoning by food.....	1	1	2									
Other acute poisonings.....	2		1									
Burns (conflagration excepted)...	3		2						2			
Traumatism by firearms.....			1				4					
Traumatism by cutting or piercing instruments.....	4	1	10				6					
Traumatism by fall.....	1		10						3			
Traumatism in mines and quarries.....			1									
Traumatism by machines.....			3			1						
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	2		3									
Railroad traumatism.....			3			1						
Traumatism by landslides.....			1			1						
Effects of heat.....	1											
Fractures (cause not specified)...	2						1	4	1			
Sprains.....		2					1					
Other external violence.....	8	3	34				11	8				
<i>Ill-defined diseases.</i>												
Infections of undetermined origin.	1		1					1				
No disease.....							1					
Feigned disease.....							1	15				
Total.....	99	37	302			10	133	144	92	1	4	15

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF
1915—Continued.

Colon hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
...	4	3	...	...	...	...	...	...	...	...	...	...	16	4	...	...	...
...	2	...	...	2	...	...	...	...	...	...	...	...	2	...	1	...	2
...
...	1	1	2	...	...	...	...	...	...	...	...	...
...	2	3	1	...	...	...	...	...	...	...	...	...
...	1	...	...	...	...	...	...	1	...	...	...	4	1	...	...	...	...
1	...	4	...	...	...	...	...	...	...	...	...	5	1	14	...	...	...	6	...	...	...	...	...
1	...	3	...	...	...	1	1	...	...	...	...	2	2	13	...	...	...	1	4	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...
...	...	2	...	...	...	...	1	...	...	...	...	...	...	5	...	...	1	...	...	1	...	...	...
1	...	10	...	...	...	...	...	...	...	...	...	3	...	13	...	...	...	...	...	...	...	...	...
...	3	...	...	1	...	...	...	...	...	...
...	1	...	1	...	...	1	...	...	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	1	4	1	...	...	...
...	2	2	...	...	...	...	1	...	...	...	...	...
...	8	3	34	...	...	...	11	8	...	...	...	...
...
...	...	1	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	1	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...
...	1	15	...	...	...	...
15	9	59	1	...	2	1	28	21	...	2	1	114	46	361	1	...	12	134	172	113	1	6	16

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT

[A.=American; F.=foreign ;B.=black.

Hospitals.	Remaining Feb. 1.			Admitted.			Died.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.
ANCON HOSPITAL.									
Panama canal employees.....	28	14	184	92	32	247	.....	.....	8
Panama Railroad employees.....	5	7	39	7	6	55	.....	.....	2
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other pay patients.....	113	22	42	200	52	57	2	3	9
Charity patients.....	8	.....	40	14	6	23	.....	.....	1
Total.....	154	43	305	313	96	382	2	3	20
<i>Insane department.</i>									
Panama Canal employees.....	.....	5	13	.....	.....	.....	.....	.....	.....
Panama Railroad employees.....	.....	.....	5	.....	.....	.....	.....	.....	.....
Panama pay patients.....	.....	15	162	.....	1	9	.....	.....	5
Other pay patients.....	1	.....	.....	3	.....	2	.....	.....	.....
Charity patients.....	6	3	57	.....	.....	1	.....	.....	.....
Total.....	7	23	237	3	1	12	.....	.....	5
Grand total.....	161	66	542	316	97	394	2	3	25
<i>Corozal Farm.</i>									
Panama Canal employees.....	.....	7	36	.....	1	2	.....	.....	.....
<i>Chronic Ward.</i>									
Charity patients.....	.....	.....	26	.....	.....	4	.....	.....	.....
COLON HOSPITAL.									
Panama Canal employees.....	2	.....	15	11	7	33	1	.....	.....
Panama Railroad employees.....	2	.....	1	4	3	26	.....	.....	2
Panama pay patients.....	.....	.....	1	.....	5	11	.....	.....	.....
Other pay patients.....	3	5	6	12	6	6	.....	.....	1
Charity patients.....	1	1	.....	3	2	4	.....	2	.....
Total.....	8	6	23	30	23	80	1	2	3
PALO SECO LEPER ASYLUM.									
Panama pay patients.....	.....	2	29	.....	.....	1	.....	.....	.....
Charity patients.....	.....	2	16	.....	.....	.....	.....	.....	.....
Total.....	.....	4	45	.....	.....	1	.....	.....	.....
GRAND TOTALS.									
Panama Canal employees.....	30	26	248	103	40	282	1	.....	8
Panama Railroad employees.....	7	7	45	11	9	81	.....	.....	4
Panama pay patients.....	.....	17	192	.....	6	21	.....	.....	5
Other pay patients.....	117	27	48	215	58	65	2	3	10
Charity patients.....	15	6	139	17	8	32	.....	2	1
Total.....	169	83	672	346	121	481	3	5	23

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

Hospitals.	Discharged.			Transferred.			Remaining Feb. 28.			Average number constantly sick.				
	A.	F.	B.	A.	F.	B.	A.	F.	B.	White.		B.	Total.	
										A.	F.			
ANCON HOSPITAL.														
Panama Canal employees	84	35	252	...	1	...	36	10	171	38.64	16.08	170.82	225.54	
Panama Railroad employees	8	7	54	...	...	...	4	6	38	5.08	7.46	38.21	50.75
Panama pay patients	229	49	54	1	...	1	81	22	35	96.36	23.96	32.14	152.46	
Other pay patients	11	4	21	...	...	...	11	2	41	11.25	2.46	40.18	53.89
Charity patients	332	95	381	1	1	1	132	40	285	151.33	49.96	281.35	482.64	
Insane department.														
Panama Canal employees	...	...	1	...	...	...	5	12	...	...	5.00	12.68	17.68
Panama Railroad employees	...	...	1	...	1	...	3	...	...	...	...	4.75	4.75
Panama pay patients	...	1	1	...	...	6	15	159	...	14.89	160.43	175.32	...
Other pay patients	...	...	...	...	...	4	2	1.86	...	...	...	1.03	2.89
Charity patients	...	...	1	1	...	5	5	3	52	5.89	3.00	56.18	65.07
Total	...	1	4	1	...	12	9	23	228	7.75	22.89	235.07	265.71	
Grand total	332	96	385	2	1	13	141	63	513	159.08	72.85	516.42	748.35	
Corozal Farm.														
Panama Canal employees	...	...	1	...	...	...	8	37	...	...	7.86	37.35	45.21
Chronic Ward.														
Charity patients	...	...	...	...	...	...	30	...	...	...	...	27.64	27.64
COLON HOSPITAL.														
Panama Canal employees	9	3	32	2	...	8	1	4	8	2.53	1.60	11.00	15.13	
Panama Railroad employees	6	1	11	...	2	7	...	7	...	.67	.32	5.14	6.13
Panama pay patients	...	2	2	...	2	10	...	1	...	1.39	1.35	2.74	...	
Other pay patients	9	11	8	...	...	1	6	...	2	3.25	2.17	2.10	7.52
Charity patients	2	1	...	...	...	3	2	...	1	1.14	.03	.14	1.31
Total	26	18	53	2	4	29	9	5	18	7.59	5.51	19.73	32.83	
PALO SECO LEPER ASYLUM.														
Panama pay patients	...	...	...	...	...	...	2	30	...	2.00	29.39	31.39	...
Charity patients	...	...	...	...	...	...	2	16	...	2.00	28.00	30.00	...
Total	...	...	...	...	...	...	4	46	...	4.00	57.39	61.39	...
GRAND TOTALS.														
Panama Canal employees	93	38	286	2	1	8	37	27	228	41.17	30.54	231.85	303.56	
Panama Railroad employees	14	8	66	...	2	8	4	6	48	5.75	7.78	48.10	61.63	
Panama pay patients	...	3	3	...	2	16	...	18	189	...	18.28	191.17	209.45	
Other pay patients	238	60	62	1	...	2	91	22	39	101.47	26.13	35.27	162.87	
Charity patients	13	5	22	1	...	8	18	7	140	18.28	7.49	152.14	177.91	
Total	358	114	439	4	5	42	150	80	644	166.67	90.22	658.53	915.42	

Number of employees remaining in hospitals:

White	74
Colored	276
Total	350

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

EMPLOYEES TREATED IN QUARTERS AND ALL CASES TREATED BUT NOT EXCUSED.

Stations.	Employees treated in quarters.														
	Re-main-ing Feb. 1.		Admit- ted.		Died.		Dis- charged.		Trans- ferred.		Re-main-ing Feb. 28.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total.
Naos Island															
Ancon.....	5		87				86		1		5		242		242
Balboa.....	2	1	45	8			41	7	3	2	3		155	28	183
Corozal.....			31	2			28	2	2		1		80	2	82
Pedro Mi- guel.....	1		17				15				3		64		64
Paraíso.....			17				17						39		39
Culebra.....	1	3	5	6			6	9					18	24	42
Gamboa.....															
Gatun.....			13	4			12	4	1				25	8	33
Colon.....	6	6	67	37			70	40			3	3	133	259	392
Total..	15	10	282	57			275	62	7	2	15	3	756	321	1,077

Stations.	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island...	95	1,163	1,258	---	---	---	95	1,163	1,258
Ancon.....	2,131	2,824	4,955	1,829	2,019	3,848	3,960	4,843	8,803
Balboa.....	3,119	3,439	6,558	372	75	447	3,491	3,514	7,005
Corozal.....	1,057	1,563	2,620	1,035	122	1,157	2,092	1,685	3,777
Pedro Miguel..	605	1,041	1,646	756	158	914	1,361	1,199	2,560
Paraíso.....	1,759	3,619	5,378	936	834	1,770	2,695	4,453	7,148
Culebra.....	121	248	369	110	224	334	231	472	703
Gamboa.....	57	176	233	20	347	367	77	523	600
Gatun.....	643	1,193	1,836	1,032	661	1,693	1,675	1,854	3,529
Colon.....	619	1,307	1,926	671	617	1,288	1,290	1,924	3,214
Total...	10,206	16,573	26,779	6,761	5,057	11,818	16,967	21,630	38,597

TABLE IX.—CONSOLIDATED DISPENSARY REPORT—Continued.

CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward.....	466	475	941
Total admissions of employees to quarters.....	232	57	339
Total.....	748	532	1,280
Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.....	16	44	60
Net admissions to hospitals and quarters.....	732	488	1,220
Net admissions of employees to hospitals and quarters.....	432	408	840
Annual average per thousand of admissions of employees to hospitals and quarters.....	1,119.90	165.20	294.17

CONTAGIOUS AND INFECTIOUS DISEASES REPORTED DURING THE MONTH OF FEBRUARY, 1915.

Diseases.	Panama.	Colon.	Canal Zone.	Total.
Measles.....	19	16	9	44
Typhoid fever.....	4	(1)	.....	4
Annual average per 1,000.....	0.79	.....	.....	.....
Scarlet fever.....	.....	.....	1	1
Mumps.....	14	23	27	64
Chicken-pox (varicella).....	.....	4	1	5
Malarial fever.....	.....	3	209	212
Tuberculosis (of any organ).....	.....	3	7	10
Whooping cough.....	.....	.....	15	15
Dysentery.....	.....	.....	3	3
Cancer.....	.....	1	.....	1
Trachoma.....	.....	1	.....	1

One case of typhoid fever taken off S. S. Colon not included.

TABLE X.—AVERAGE NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	72.26	226.46	298.72
Colon Hospital.....	5.12	16.14	21.26
Total.....	77.38	242.60	319.98
Quarters:			
Ancon.....	8.64		8.64
Balboa.....	5.53	1.00	6.53
Corozal.....	2.86	.07	2.93
Pedro Miguel.....	2.29		2.29
Paraiso.....	1.40		1.40
Culebra.....	.64	.86	1.50
Gatun.....	.89	.29	1.18
Colon.....	4.75	9.25	14.00
Totals.....	27.00	11.47	38.47

	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White.....	77.38	27.00	104.38
Colored.....	242.60	11.47	254.07
Total.....	319.98	38.47	358.45
Average number of employees constantly sick per 1,000:			
White.....	16.72	5.83	22.55
Colored.....	8.19	.39	8.58
Total.....	9.33	1.12	10.46

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	18.27	13.62	15.01
Colon Hospital.....	5.33	6.38	6.08
Quarters:			
Ancon.....	3.72		3.72
Balboa.....	3.83	3.00	3.68
Corozal.....	2.67	1.00	2.56
Pedro Miguel.....	4.33		4.33
Paraiso.....	2.29		2.29
Culebra.....	3.50	3.33	3.40
Gatun.....	1.92	2.00	1.94
Colon.....	2.38	7.27	4.16

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	January, 1915.	December, 1914.	January, 1914.
Administration:			
Chief health office.....	\$1,114.59	\$717.74	\$4,451.99
Hospital division:			
Ancon Hospital.....	35,336.72	37,833.44	44,261.79
Corozal farm.....	1,197.75	1,141.28	1,059.62
Chronic ward.....	230.94	269.02	217.44
Colon Hospital.....	4,323.79	3,269.14	2,504.79
Taboga Sanitarium.....			867.39
Palo Seco Leper Asylum.....	1,311.59	1,425.55	1,130.66
Santo Tomas Hospital.....	891.18	820.00	635.00
Medical storehouse.....	723.26	664.66	653.40
Total.....	44,015.23	45,423.09	51,330.09
Dispensaries:			
Dentists.....	12.00		
Naos Island.....	86.73	47.67	255.75
Balboa.....	1,133.65	929.16	807.05
Tivoli.....			747.41
Corozal.....	640.20	846.37	715.85
Pedro Miguel.....	477.05	429.14	423.82
Paraiso.....	534.05	571.54	536.19
Culebra.....	457.91	282.48	771.90
Empire.....			867.59
Gamboia.....	144.67	120.08	105.00
Gatun.....	507.80	493.64	1,291.31
Cristobal.....			981.54
Porto Bello.....			328.23
Margarita Point.....	44.05	113.38	107.14
Toro Point.....	36.40	67.67	302.52
Total.....	4,074.51	3,901.13	8,241.30
Sanitary division:			
General inspector.....	50.00	50.00	700.00
Health office, Panama.....	3,069.78	2,902.52	4,065.13
Street cleaning.....	4,484.13	4,619.70	3,831.65
Health office, Colon.....	1,921.41	4,168.72	1,827.79
Street cleaning.....	1,888.96	1,803.07	2,044.75
Zone sanitation—			
Ancon.....	2,417.57	1,980.37	1,639.54
Balboa.....	1,116.66	974.68	1,284.49
Corozal.....	2,194.96	1,610.67	1,218.30
Pedro Miguel.....	984.13	959.80	2,273.54
Paraiso.....	1,093.59	985.97	1,535.76
Culebra.....	706.83	846.42	1,171.30
Empire.....			2,989.08
Frijoles.....	121.99	123.23	91.00
Gatun.....	1,412.32	1,547.21	3,246.64
Cristobal and Mount Hope.....	1,393.76	1,613.61	2,357.68
Toro Point.....			74.17
Porto Bello.....			228.73
Total.....	22,856.09	23,885.97	30,579.55
Quarantine division:			
Chief quarantine office.....	295.45		
Balboa, Panama.....	1,739.56		
Colon, Cristobal.....	2,432.92		
Total.....	4,467.93	3,980.72	4,944.61

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH—Continued.

	January, 1915.	December, 1914.	January, 1914.
<i>Recapitulation.</i>			
Chief health office.....	\$1,114.59	\$717.74	\$4,451.99
Hospital division.....	44,015.23	45,423.09	51,330.09
Dispensaries.....	4,074.51	3,901.13	8,241.30
Sanitary division.....	22,856.09	23,885.97	30,579.55
Quarantine division.....	4,467.93	3,980.72	4,944.61
Grand total.....	76,528.35	77,908.65	99,547.54
Construction and repair to buildings.....	1,088.29	15,431.05	5,013.58

NOTE.—January last available figures.

TABLE XIII.—REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	American.		Other nations.	
		White.	Black.	White.	Black.
Hospital:					
Class—					
Panama Canal employees....	597	119	1	46	431
Panama Railroad employees..	119	12	.....	13	94
Panama Government pay cases.....	.....	.....	.....	.....	.....
Other pay cases.....	486	313	.....	74	99
Charity cases.....	91	22	.....	6	63
Total.....	1,293	466	1	139	687
Insane asylum:					
Panama Canal employees.....	18	.....	.....	5	13
Panama Railroad employees....	5	.....	.....	.....	5
Panama Government pay cases..	187	.....	.....	16	171
Other pay cases.....	6	4	.....	.....	2
Charity cases.....	67	6	.....	3	58
Total.....	283	10	.....	24	249
Grand total.....	1,576	476	1	163	936
Soldiers.....	215	215	.....	.....	.....
Chronics.....	30	.....	.....	.....	30
Corozal farm.....	46	.....	.....	8	38

TABLE XIII.—REPORT OF NATIONALITY OF PATIENTS
TREATED—Continued.

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	Ameri- cans.	Other white.	Black.
Hospital:				
Class—				
Panama Canal employees.....	6,315	1,082	450	4,783
Panama Railroad employees.....	1,421	142	209	1,070.
Panama Government pay cases.....				
Other pay cases.....	4,269	2,698	671	900
Charity cases.....	1,509	315	69	1,125
Total.....	13,514	4,237	1,399	7,878
Insane asylum:				
Panama Canal employees.....	495		140	255
Panama Railroad employees.....	133			133
Panama Government pay cases.....	4,909		417	4,492
Other pay cases.....	81	52		29
Charity cases.....	1,822	165	84	1,573
Total.....	7,440	217	641	6,582
Grand total.....	20,954	4,454	2,040	14,460
Soldiers.....	2,116	2,116		
Chronics.....	774			774
Corozal farm.....	1,266		220	1,046

Average cost of subsistence per patient per day, \$0.259.

WARD LABORATORY REPORT.

Blood examinations (total number).....	833
Estivoautumnal.....	69
Mixed.....	2
Tertian.....	28
Differential counts.....	44
Hemoglobin estimations.....	62
Leucocyte counts.....	108
Red blood counts.....	3
Stool examinations (total number).....	422
Ascaris lumbroicoides.....	11
Cercomonas intestinalis.....	1
Ciliated monads.....	4
Entameba (hystolitica and tetragena).....	8
Guaiac tests.....	14
Pus and blood.....	45
Strongloides.....	18
Tricocephalus dispar.....	30
Uncinaria ova.....	45
Urine examinations (total number).....	1,701
Albumen.....	514
Bile.....	35
Casts.....	340
Ciliated monads.....	5
Epithelia.....	117
Guaiac tests.....	22
Hemin crystals.....	1
Indicon.....	31
Pus and blood.....	342
Sugar (positive, 18; negative, 16).....	34
Trichomonas vaginalis.....	1

Sputum examinations (total number).....	157
Positive for tubercule bacilli.....	17
Smear examinations (total number).....	25
Urethral.....	9
Vaginal.....	3
Eye.....	7
Spinal fluid.....	6

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Leg.....	1	.....
Multiple digits.....	3	.....
Operations on bones:		
Wiring of fractures—		
Simple.....	7	.....
Compound.....	1	.....
Adenectomy:		
Inguinal—		
Single.....	25	.....
Double.....	2	.....
Herniotomy:		
Inguinal—		
Single.....	15	.....
Double.....	1	.....
Genito-urinary tract:		
Urethrotomy, internal.....	2	.....
Hydrocele, single, radical cure.....	2	.....
Orchidectomy.....	1	.....
Epididymectomy.....	8	.....
Curetage uteri.....	7	.....
Perineoplasty.....	2	.....
Obstetrical:		
Caesarian section, abdominal.....	1	.....
Rectum:		
Hemorrhoids, radical cure.....	4	.....
General:		
Tenorrhaphy.....	1	.....
Plastic operation for severe injuries.....	2	1
Plastic operation for effects of disease.....	2	.....
Skin graft.....	3	.....
Gastro-enterostomy.....	1	.....
Appendectomy.....	12	.....
Appendectomy, with local peritonitis.....	2	.....
Cholecystostomy.....	2	.....
Abscess of liver, laparo-hepatotomy for.....	1	.....
Pan-hysterectomy.....	1	.....
Supravaginal hysterectomy.....	1	.....
Hystereomyomectomy.....	2	.....
Suspensio-uteri.....	3	.....
Plastic operation for chronic pelvic peritonitis.....	4	.....
Minor operations, various.....	102	.....
Total.....	221	1

REPORT OF OPERATIONS, EYE AND EAR CLINIC.

Eye:	
Cataract extraction.....	6
Iridectomy.....	6
Pterygium.....	3
Plastic on lower lid.....	1
Minor eye operations.....	18
	<u>34</u>
Ear:	
Mastoidectomy.....	1
Ear polyp.....	1
Minor ear operations.....	2
	<u>4</u>
Nose and throat:	
Adenoidectomy.....	8
Tonsillectomy.....	8
Submucous resection.....	7
Double maxillary sinusotomy.....	2
Cautery to ulcer of nose.....	1
Fracture of nose.....	1
Dilation of lachrymal duct.....	1
Minor nose and throat operations.....	3
	<u>31</u>
Total.....	69
Total number of refractions.....	301

OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical clinic.....	286	202	49	227
Surgical clinic.....	258	180	26	52
Eye and ear clinic.....	752	168	23	283
Total.....	1,296	550	98	562

REPORT OF VACCINATIONS.

Adults vaccinated.....	158
Number of "takes".....	48
Children vaccinated.....	8
Number of "takes".....	4
Total vaccinations.....	166
Total "takes".....	52

REPORT OF BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—		Surgical tissues and neoplasms	
Blood cultures.....	18	reported.....	22
Throat cultures.....	7	Autopsies performed (2 medico-	
Urine.....	33	legal).....	25
Stools.....	16	Animals examined or under ob-	
Autopsies.....	1	servation.....	6
Tissue (curettings).....	1	Pathological tissues prepared,	
Pathological fluids, exudates,		paraffin.....	366
etc.....	7	Pathological tissues prepared,	
Sputum.....	4	frozen.....	6
Leper suspects.....	2		
Wassermann reactions.....	200	Rats examined:	
Agglutination reactions.....	5	Mus musculus.....	386
Autogenic vaccines prepared.....	3	Mus norvegicus.....	415
Vaccine points manufactured.....	7,500	Mus alexandrinus.....	24
Vaccinations, smallpox.....	6	Mus rattus.....	161
Chemical analysis of—			
Hospital dairy milk.....	1		986
Milk from private dairies sup-			
plying cities of Panama and		Examination of fabrics for super-	
Colon.....	2	intendent.....	2
Ether for anaesthesia.....	1	Tuberculin test, cattle.....	78
Dried beet pulp.....	2	Immunization of hogs with hog-	
Condensed milk.....	1	cholera serum.....	14
Jarabe de Ipecac.....	1	Bodies embalmed.....	6
Aspirin tablets.....	2	Cremations.....	16
Methyl alcohol.....	1	Interments.....	10
Mothers' Laundry Soap.....	1		
Belladonna suppositories.....	1		
Report on formula for making			
liquid soap.....	1		
Manufacture of liquid "Tan-			
glefoot".....	1		
Urine of employees.....	12		

OPERATION OF HOSPITAL FARM, COROZAL

Expenditures:	
Supervision and office.....	\$200.00
Labor.....	598.58
Subsistence of labor.....	267.32
Quartermaster team service.....	37.20
Ancon Hospital team service.....	52.50
Electric lights.....	3.90
Ice.....	.90
Material and supplies.....	24.51
	<hr/> \$1,184.91
Receipts:	
Produce supplied local buyer, commissary branch.....	221.48
13,520 okras, 815 head lettuce, 875 pounds yams, 750 pounds	
yucca, 640 pounds papayas, 44½ pounds tomatoes, 3½	
pounds sweet peppers, 92½ dozen eggs, 37½ dozen roses, 2	
settings eggs, 100 bunches radishes, 180 plantains.	
Produce supplied Ancon Hospital:	
235½ dozen eggs, at 35 cents.....	82.43
6,000 okras.....	\$27.60
950 pounds yams.....	28.50
700 pounds yucca.....	14.00
65 pounds lettuce.....	3.25
360 pounds pork.....	50.40
119 bunches radishes.....	4.38
8 bunches bananas.....	1.84
30 pairs Guinea pigs.....	15.00
Pasturage.....	11.15
	<hr/> 156.12

Receipts—Continued.

Produce sold to private parties:

16 dozen roses.....	\$8.00	
6½ dozen eggs.....	3.90	
6 settings eggs.....	9.00	
8 rose bushes.....	2.00	
1 bougainvillea.....	.50	
3 ferns.....	1.50	
4 ferns.....	1.00	
30 bunches bananas.....	7.50	
200 pounds yams.....	6.00	
3 hogs.....	75.00	
56 loads grass.....	56.00	
Pasturage.....	18.10	
	<u>\$188.50</u>	<u>\$648.53</u>

Net expenditures.....	\$536.38
Number of days treatment furnished.....	1,266
Net cost per patient per day.....	\$0.42368

Work performed: Cleaning pasture, grounds for the asylum, and cultivated vegetable garden and nursery.

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES, MONTH OF FEBRUARY, 1915.

Commitments.

	Male.	Female.
From the Canal Zone on first commitment.....	15	1
From Panama Government on first commitment.....	8	1
From Panama Government on second commitment.....		1
Total.....	13	3

¹ Transferred from hospital.

Grand total, 16.

Discharges.

Nationality.	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Barbados.....	2					
Cuba.....	1					
Demorara.....					1	1
Jamaica.....				2	1	2
Panama.....				1		
United States.....					2	1
Total.....	3			2	11	2

¹ Eloped.

² Deported.

Grand total, 18.

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES, MONTH OF FEBRUARY, 1915—Continued.

Deaths.

Physical diagnoses.	Mental diagnoses.	
	Infective-exhaustive psychosis.	Psychoses accompanying brain or nervous diseases, cerebral arterio-sclerosis.
Chronic nephritis.....	1 female.....	1 female.
Gangrene of the lungs.....	.....do.....
Purulent infection and septicemia.....	.....do.....
Arteriosclerosis.....	.....do.....
Organic heart disease.....	1 male.....	

Grand total, 50.

TABLE XIV.—COLON HOSPITAL.

NATIONALITY OF PATIENTS.

	American white.	Foreign white.	Black.	Total.
Panama Canal employees.....	13	7	48	68
Panama Railroad employees.....	6	3	27	36
Panama pay.....	.....	5	12	17
Other pay.....	15	11	12	38
Charity cases.....	4	3	4	11
Total.....	38	29	103	170

Cost of subsistence per patient per day, \$0.34.

COLON HOSPITAL LABORATORY REPORT.

Blood examinations.....	47
Estivoautumnal.....	8
Tertian.....	4
Quartan.....	1
White-blood counts.....	2
Differential counts.....	1
Stool examinations.....	5
Urine examinations.....	67
Albumen.....	15
Casts.....	6
Sugar.....	1
Sputum examinations.....	4
Positive for tubercle bacilli.....	2

SURGICAL OPERATIONS.

Amputations: Leg.....	11
Operations on bones: Craniectomy, decompressive.....	1
Herniotomy: Inguinal, single.....	2
Genito-urinary tract: Curetage uteri.....	4
Obstetrical:	
Low forceps.....	1
Perineorrhaphy.....	1
Thorax: Thoracotomy.....	1
Rectum: Hemorrhoids, radical cure.....	2
Laparotomy:	
Appendectomy.....	2
Salpingectomy, single.....	1
Oophorectomy.....	1
Suspensio-uteri.....	2
Minor operations, various.....	17

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

Class.	Number treated.		Americans.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....						
Panama Railroad employees.....						
Pay cases.....	2	30			2	30
Charity cases.....	2	16			2	16
Total.....	4	46			4	46

Cost of subsistence per patient per day, \$0.26.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Feb. 1.	Ad- mitted.	Dis- charged.	Died.	Remain- ing Feb. 28.
Pay cases.....	34	87	93	1	27
Charity cases.....	421	811	769	50	413
Total.....	455	898	862	51	440

Average number of patients constantly sick.....	444
Total number of days' treatment.....	12,449
Average number of days' treatment per patient.....	9
Cost of subsistence per patient per day.....	\$0.28

¹ Died, 1.

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	121	3	-----	46	72
Charity cases.....	1,232	7	1	124	1,100
Total.....	1,353	10	1	170	1,172

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	15	476	491
Foreigners.....	49	363	412
Total.....	64	839	903

DISEASES TREATED.

Malaria.....	129
Measles.....	12
Influenza.....	5
Dysentery.....	11
Leprosy.....	1
Erysipelas.....	18
Other epidemic diseases.....	1
Purulent infection and septicemia.....	30
Pellagra.....	8
Beriberi.....	2
Tuberculosis of the lungs.....	20
Syphilis.....	36
Soft chancre.....	19
Gonococcus infection.....	21
Cancer and other malignant tumors of the breast.....	5
Acute articular rheumatism.....	13
Other general diseases.....	1
Alcoholism (acute or chronic).....	18
Other forms of mental alienation.....	3
Convulsions of infants (under 5 years).....	1
Other diseases of the nervous system.....	2
Diseases of the eyes and their annexa.....	7
Acute endocarditis.....	2
Organic diseases of the heart.....	13
Diseases of the arteries, atheroma, aneurysm, etc.....	1
Embolism and thrombosis.....	1
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	2
Diseases of the lymphatic system (lymphangitis, etc.).....	28
Hemorrhage, other diseases of the circulatory system.....	3
Diseases of the larynx.....	1
Chronic bronchitis.....	26
Pneumonia (unqualified).....	12
Pleurisy.....	4
Asthma.....	2
Diseases of the mouth and annexa.....	3
Diseases of the pharynx.....	1
Other diseases of the stomach (cancer excepted).....	5
Diarrhea and enteritis.....	12

Ankylostomiasis.....	11
Appendicitis and typhlitis.....	8
Hernia, intestinal obstructions.....	5
Diseases of the intestines.....	46
Cirrhosis of the liver.....	3
Other diseases of the liver.....	2
Acute nephritis.....	14
Calculi of the urinary passages.....	1
Diseases of the bladder.....	5
Diseases of the urethra, urinary abscess, etc.....	6
Nonvenereal diseases of the male genital organs.....	6
Other diseases of the uterus.....	5
Cysts and other tumors of the ovary.....	1
Salpingitis and other diseases of the female genital organs.....	15
Normal labor.....	81
Accidents of pregnancy.....	16
Puerperal albuminuria and convulsions.....	1
Gangrene.....	1
Furuncle.....	1
Acute abscess.....	8
Other diseases of the skin and annexa.....	26
Diseases of the bones (tuberculosis excepted).....	1
Other diseases of the organs of locomotion.....	3
Congenital malformation (stillbirth not included).....	1
Newborn child.....	77
Other acute poisonings.....	4
Burns (conflagration excepted).....	3
Traumatism by firearms.....	18
Traumatism by cutting or piercing instruments.....	2
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	6
Fractures (cause not specified).....	11
Causes of death not specified or ill defined.....	5
No disease.....	41
Total.....	913

SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Thigh.....	1	.....
Leg.....	1	1
Digits, multiple.....	1	.....
Adenectomy, inguinal:		
Single.....	11	.....
Double.....	3	.....
Herniotomy, inguinal, single.....	5	.....
Nephrectomy.....	1	1
Urethrotomy, internal.....	5	.....
Hydrocele, single, radical cure.....	1	.....
Orchidectomy.....	1	.....
Epididymotomy.....	1	.....
Curetage uteri.....	6	.....
Vaginal sections.....	1	.....
Perineorrhaphy.....	1	.....
Hemorrhoids, radical cure.....	4	.....
Fistula in anus, excision of.....	3	.....
Excision of surface neoplasms.....	1	.....
Gunshot wound of soft parts, operation for.....	1	.....
Plastic operation for severe injuries.....	1	.....
Plastic operation for effects of disease.....	11	.....
Appendectomy.....	6	.....
Cholecystotomy.....	1	1
Choledechotomy.....	1	.....
Abscess of liver, thoraco-hepatotomy for.....	2	1
Splenectomy.....	1	.....

SURGICAL OPERATIONS—Continued.

	Number.	Died.
Panhysterectomy.....	7	.....
Hysteromyomectomy.....	1	.....
Salpingectomy, single.....	2	.....
Salpingo-oophorectomy.....	5	.....
Ovarian cystectomy.....	1	.....
Oophorectomy.....	2	.....
Suspensio-uteri.....	2	.....
Stab wound of abdomen.....	2	2
Major operations (various other).....	3	.....
Minor operations, various.....	35	.....
Total.....	131	6

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of February, 1915, in the Canal Zone.

Work requests on supply department:	
Grass cutting.....	6
Screening.....	9
Miscellaneous.....	10
Work requests on engineering department.....	7
Work requests on other departments.....	1
Notices served to abate nuisances.....	72
Inspections of closets.....	1,774
Inspections of stores.....	28
Inspections of shop.....	275
Inspections of restaurants.....	2
Garbage cans emptied.....	68,976
Closets disinfected.....	2,932
Rat traps used daily.....	2,176
Adult anopheles destroyed in houses.....	18,406
Adult culices destroyed in houses.....	9,567
Larvacide used.....gallons.....	353
Crude oil used.....do.....	12,098
Rats destroyed.....	429

SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PANAMA.

Mosquito, rat, and fly work:	
Lineal feet of ditches cleaned and maintained.....	25,233
Lineal feet of new ditches dug.....	1,856
Number of cubic yards earth used in filling.....	0
Gallons larvacide used.....	459
Gallons crude oil used.....	980
Square yards pools oiled.....	71,400
Water containers treated.....	27,652
Mosquito breeding places found (78 stegomyia).....	227
Fly breeding places found.....	264
Flies trapped (13,000 per quart).....	0
Number rats caught.....	787
Number room disinfections.....	4
Garbage collections:	
Number loads garbage removed to dump.....	4,639
Number cubic yards garbage removed to dump.....	6,609
Total number of cans garbage emptied.....	107,735

Buildings:

Number of buildings inspected.....	4,793
Number of plans for new buildings approved.....	16
Number of permits granted for repairs to old buildings.....	60
Total number of permits granted.....	76
Number of buildings condemned.....	10
Number of buildings demolished.....	11

Street cleaning:

Average number of square yards cleaned daily.....	600,000
Average number of square yards street sprinkled daily.....	90,000
Number of private properties cleaned during month.....	0
Number of notices served and nuisances abated.....	226

Vaccinations:

Number of vaccinations during month.....	1,424
Total number of vaccinations since Apr. 1, 1914.....	16,151

WORK REPORT FOR COLON, CRISTOBAL, AND MOUNT HOPE.

[Health office, Cristobal, Feb. 28, 1915.]

Sanitation, general, Colon:

Square yards street cleaned.....	3,558,622
Cubic feet fumigated (1 building).....	3,456
Square yards street sprinkled.....	504,000
Square yards alleys maintained.....	620,885
Number private properties cleaned.....	27
Number of rats killed.....	288
Loads of yard garbage handled.....	382
Number of cans, garbage (1,954 cubic yards).....	60,661
Colon dump maintained.....	
Linear yards ditches maintained.....	4,690
Square yards vegetation removed, Colon.....	96,800
Parkway & "E" Street maintained.....	
Number square yards oiled.....	13,150
Number buildings inspected.....	3,380
Number of receptacles treated.....	20,300
Number of mosquito-breeding places destroyed.....	153
Number of fly-breeding places destroyed.....	86
Number of nuisances abated.....	181
Gallons larvicide used.....	185
Gallons crude oil used.....	86

Building, Colon:

Number of plans approved.....	2
Number permits to occupy issued.....	2
Number of permits to repair issued.....	78
Number of temporary permits to occupy issued.....	1
Number of bills collected.....	98

Sewers, Colon:

Number new connections made during month.....	2
Total number connections made to date.....	1,171
Number of houses in which extentions were made.....	1
Outstanding permits.....	35

Sanitation, Cristobal:

Number of cans, garbage (591 cubic yards).....	12,183
Loads of yard garbage handled.....	15
Square yards vegetation removed.....	9,720
Square yards vegetation removed P. R. R. reservation.....	48,400
Square yards oiled.....	6,050
Number of receptacles treated.....	280
Number of mosquito-breeding places destroyed.....	15
Number of fly-breeding places destroyed.....	17
Number buildings inspected.....	65
Gallons larvicide used.....	24
Gallons crude oil used.....	190

Sanitation, Mount Hope:

Number of cans, garbage (173 cubic yards).....	1,490
Square yards oiled.....	44,030
Number receptacles treated.....	11,430
Number of mosquito-breeding places destroyed.....	45
Number of fly-breeding places destroyed.....	8
Number of mosquitoes caught in barracks—	
Anoph.....	254
Culex.....	653
Gallons larvicide used.....	74
Gallons crude oil used.....	810
Mount Hope Cemetery maintained.....	
Linear yards ditches maintained.....	12,295
Number burials during the month.....	43

TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Number of vessels inspected and passed.....	141
Number of vessels held in quarantine.....	8
Total number of vessels entered.....	149
Number of vessels fumigated on arrival.....	7
Number of vessels fumigated on departure.....	2
Total number of vessels fumigated.....	9
Number of crew examined.....	9,332
Number of passengers examined (including 468 U. S. troops).....	4,300
Total number of persons examined.....	13,632
Number of persons vaccinated at ports of arrival because of compulsory vaccination law.....	440
Number of persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	1,073
Total number of persons vaccinated.....	1,513
Number of persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	216
Number of persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	951
Total number of persons held under observation.....	1,167
Total number of persons landed from foreign ports:	
Cabin.....	1,794
Steerage.....	617
	2,411
Total number of persons embarked for foreign ports:	
Cabin.....	2,856
Steerage.....	1,116
	3,972
Total number of persons arriving from coast towns on small launches and sailing craft.....	2,267
Total number of persons sailing for coast towns on small launches and sailing craft.....	1,036
Apparent increase for month from coast towns.....	1,231
Apparent decrease for month from foreign ports:	
Cabin (decrease).....	1,062
Steerage (decrease).....	499
	1,561
Number of immigrants recommended for deportation.....	9
Number of bills of health issued or viséed.....	101
Total number of persons landed.....	4,678
Less number for Pacific ports.....	178
	4,500
Total number of persons sailing.....	5,008
Total apparent decrease for month.....	508

IMMIGRATION REPORT FOR COLON.

From—	Cabin.	Steerage.
Europe.....	22	11
United States.....	976	17
Jamaica and West Indies.....	106	311
Venezuela.....	8	1
Colombia.....	53	99
Cuba.....	86	19
Guatemala.....	0	4
Costa Rica.....	127	36
Bocas del Toro.....	56	112
Coast towns.....	0	194
	1,434	804
		2,238

Men.....	1,390
Women.....	486
Children.....	168
Unclassified.....	194
Total.....	2,238

QUARANTINE—BOCAS DEL TORO.

Number of vessels inspected and passed.....	14
Number of crew inspected and passed.....	1,104
Number of passengers inspected and passed.....	202
Number of passengers in transit inspected and passed.....	352
Number of persons held to complete period of incubation of plague.....	2

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

	Kilos.
Quinine sulphate.....	35
Quinine sulphate tablets.....	7
Total.....	42
Pounds avoirdupois, 92.59.	

TABLE XX.—PERSONNEL REPORT.

	February, 1915.		Total.	January, 1915, total.	February, 1914, total.
	Officers and employees.	Skilled and unskilled labor.			
Chief health office.....	3	.....	3	3	19
Medical storehouse.....	4	4	8	8	8
Quarantine division.....	25	17	42	42	40
Health office:					
Panama.....	20	123	143	148	172
Colon.....	16	96	112	113	121
Ancon Hospital.....	225	108	333	348	502
Colon Hospital.....	22	11	33	34	31
Santo Tomas Hospital.....	4	.....	4	5	6
Palo Seco Leper Asylum.....	7	14	21	22	17
Zone sanitation.....	18	96	114	100	147
Hospital farm.....	2	42	44	40	38
Dispensaries:					
Ancon.....	.....	.....	.....	.....	5
Balboa.....	5	.....	5	7	6
Corozal.....	4	.....	4	4	6
Cristobal.....	.....	.....	.....	.....	6
Culebra.....	2	.....	2	3	5
Empire.....	.....	.....	.....	.....	6
Gamboa.....	1	.....	1	1	.....
Gatun.....	4	.....	4	3	7
Margarita Point.....	.....	.....	.....	1	1
Naos Island.....	1	.....	1	1	2
Paraiso.....	4	4	3	4
Pedro Miguel.....	3	3	3	3
Porto Bello.....	3
Toro Point.....	2
Total.....	370	511	881	889	1,157

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